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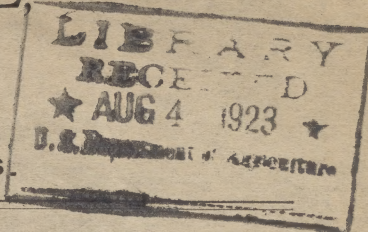
# UNITED STATES DEPARTMENT OF AGRICULTURE

BUREAU OF PLANT INDUSTRY,

SEED LABORATORY.

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## WEED SEEDS COMMONLY FOUND IN COMMERCIAL SEEDS.



### POACEAE (GRAMINEAE)—GRASS FAMILY.

1. *Agropyron repens* (L.) Beauv. Couch or quack grass. Found in cereals.
2. *Avena fatua* L. Wild oats. Found in cereals.
3. *Bromus hordeaceus* L. Soft chess. Found in rye-grasses.
4. *Bromus racemosus* L. Smooth chess. Found in coarser grasses and cereals.
5. *Bromus secalinus* L. Chess, cheat. Found in coarser grasses and cereals.
6. *Chaetochloa glauca* (L.) Scribn. Yellow foxtail. Found in red clover, grasses, and cereals.
7. *Chaetochloa viridis* (L.) Scribn. Green foxtail. Found in red clover and cereals.
8. *Deschampsia caespitosa* (L.) Beauv. Tufted hair-grass. Found in red-top and bent-grasses.
9. *Deschampsia flexuosa* (L.) Trin. Wavy hair-grass. Found in redtop and bent-grasses.
10. *Echinochloa crus-galli* (L.) Beauv. Barnyard grass. Found in red clover and grasses.
11. *Festuca myuros* L. Rat's-tail fescue grass. Found in various grasses.
12. *Holcus lanatus* L. Velvet grass. Found in orchard grass and rye-grasses.
13. *Panicum capillare* L. Witch-grass. Found in red clover.
14. *Paspalum laeve* Michx. Field paspalum. Found in Japan clover.
15. *Paspalum setaceum* Michx. Slender paspalum. Found in red and Japan clovers.
16. *Poa compressa* L. Canada bluegrass. Adulterant of Kentucky blue-grass.
17. *Syntherisma linearis* (Krock.) Nash. Small crab-grass. Found in red clover.
18. *Syntherisma sanguinalis* (L.) Dulac. Crab-grass. Found in red clover and grasses.

### CYPERACEAE.—SEDE FAMILY.

19. *Carex* spp. Sedge. Found in Kentucky bluegrass.

### JUNCACEAE.—RUSH FAMILY.

20. *Juncoides campestre* (L.) Kuntze. Wood rush. Found in smaller grasses.
21. *Juncus tenuis* Willd. Slender rush. Found in bluegrass and bent-grasses.

### POLYGONACEAE.—BUCKWHEAT FAMILY.

22. *Polygonum aviculare* L. Knot or door weed. Found in clovers and grasses.
23. *Polygonum convolvulus* L. Black bindweed. Found in cereals.
24. *Polygonum pennsylvanicum* L. Pennsylvania persicaria. Found in cereals.
25. *Polygonum persicaria* L. Lady's-thumb. Found in red clover and cereals.
26. *Rumex acetosella* L. Sorrel or sheep's-sorrel. Found in clovers and grasses.
27. *Rumex crispus* L. Curled dock. Found in clovers and grasses.

### CHENOPODIACEAE.—GOOSEFOOT FAMILY.

28. *Atriplex truncata* A. Gray. Saltbush. Found in alfalfa.
29. *Chenopodium album* L. Lamb's-quarters or goosefoot. Found in clovers and grasses.
30. *Salsola tragus* L. Russian thistle. Found in alfalfa.

### AMARANTHACEAE.—AMARANTH FAMILY.

31. *Amaranthus blitoides* S. Wats. Spreading amaranth. Found in alfalfa.
32. *Amaranthus graecizans* L. Tumbling amaranth. Found in red clover and alfalfa.
33. *Amaranthus retroflexus* L. Rough pigweed. Found in clovers and grasses.

### SILENACEAE (CARYOPHYLLACEAE).—PINK FAMILY.

34. *Agrostemma githago* L. Corn cockle. Found in cereals.
35. *Alsine media* L. Chickweed. Found in clovers and grasses.
36. *Cerastium vulgatum* L. Mouse-ear chickweed. Found in clovers and grasses.
37. *Silene noctiflora* L. Night-flowering catchfly. Found in alsike and red clovers.
38. *Spergula arvensis* L. Spurry or corn spurry. Found in clovers and grasses.
39. *Vaccaria vaccaria* (L.) Britton. Cow cockle or cowherb. Found in cereals and alfalfa.

### RANUNCULACEAE.—CROWFOOT FAMILY.

40. *Ranunculus bulbosus* L. Bulbous buttercup. Found in rye-grasses.

### BRASSICACEAE (CRUCIFERAE).—MUSTARD FAMILY.

41. *Brassica arvensis* (L.) B. S. P. Charlock. Found in cereals and grasses.
42. *Brassica nigra* (L.) Koch. Black mustard. Found in cereals and grasses.
43. *Bursa bursa-pastoris* (L.) Britton. Shepherd's-purse. Found in clovers and grasses.
44. *Camelina microcarpa* Andr. Small-seeded false flax. Found in alsike and red clovers.
45. *Camelina sativa* (L.) Crantz. Large-seeded false flax. Found in flax, alfalfa, and cereals.
46. *Conringia orientalis* (L.) Dumort. Hare's-ear mustard. Found in flax, alfalfa, and cereals.
47. *Lepidium virginicum* L. Peppergrass. Found in clovers and grasses.
48. *Neslia paniculata* (L.) Desv. Ball mustard. Found in cereals.
49. *Sisymbrium altissimum* L. Tumbling mustard. Found in clover and alfalfa.
50. *Sisymbrium officinale* (L.) Scop. Hedge mustard. Found in clovers.
51. *Thlaspi arvense* L. Frenchweed or pennycress. Found in clovers and cereals.

### ROSACEAE.—ROSE FAMILY.

52. *Potentilla monspeliensis* L. Cinquefoil or five-finger. Found in timothy and clovers.

### CAESALPINIACEAE (LEGUMINOSAE).—SENNA FAMILY.

53. *Cassia nictitans* L. Sensitive pea. Found in Japan clover.

### FABACEAE (LEGUMINOSAE).—PEA FAMILY.

54. *Medicago arabica* (L.) All. Spotted bur-clover. Adulterant of alfalfa.
55. *Medicago denticulata* Willd. Bur-clover. Adulterant of alfalfa.
56. *Medicago lupulina* L. Yellow trefoil. Adulterant of red clover and alfalfa.
57. *Melilotus alba* Desv. Sweet or Bokhara clover. Found in alfalfa.
58. *Trifolium arvense* L. Rabbit's-foot clover. Found in clovers.
59. *Vicia angustifolia* Grusb. Vetch or tare. Found in hairy vetch.

### GERANIACEAE.—GERANIUM FAMILY.

60. *Erodium cicutarium* (L.) L'Her. Alfilaria or "filaree." Found in cereals and alfalfa.
61. *Geranium dissectum* L. Cut-leaved crane's-bill. Found in crimson and red clovers and rye-grasses.

### EUPHORBIACEAE.—SPURGE FAMILY.

62. *Euphorbia nutans* Lag. Spurge. Found in red clover.

### MALVACEAE.—MALLOW FAMILY.

63. *Malva rotundifolia* L. Mallow or cheeses. Found in clover and alfalfa.
64. *Sida spinosa* L. Spiny sida. Found in red clover.

### APIACEAE (UMBELLIFERAE).—CARROT FAMILY.

65. *Daucus carota* L. Wild carrot. Found in red clover.

### PRIMULACEAE.—PRIMROSE FAMILY.

66. *Anagallis arvensis* L. Red or scarlet pimpernel. Found in clovers.

### CONVOLVULACEAE.—MORNING-GLORY FAMILY.

67. *Convolvulus arvensis* L. Field bindweed. Found in flax and cereals.

### CUSCUTACEAE (CONVOLVULACEAE).—DODDER FAMILY.

68. *Cuscuta arvensis* Beyrich. Field dodder. Found in alfalfa and red clover.
69. *Cuscuta epilinum* Weihe. Flax dodder. Found in flax.
70. *Cuscuta epithymum* Murr. (*Cuscuta trifolii* Babgt.). Clover dodder. Found in clovers and alfalfa.
71. *Cuscuta indecora* Choisy. Large-seeded alfalfa dodder. Found in alfalfa.
72. *Cuscuta planiflora* Ten. Small-seeded alfalfa dodder. Found in alfalfa.

### BORAGINACEAE.—BORAGE FAMILY.

73. *Lithospermum arvense* L. Corn gromwell or red root. Found in clovers and cereals.

### VERBENACEAE.—VERVAIN FAMILY.

74. *Verbena hastata* L. Blue vervain. Found in clovers.
75. *Verbena urticifolia* L. White vervain. Found in clovers.

### MENTHACEAE (LABIATAE).—MINT FAMILY.

76. *Hedeoma pulegioides* (L.) Pers. Pennyroyal. Found in clovers.
77. *Nepeta cataria* L. Catmint or catnip. Found in clovers.
78. *Prunella vulgaris* L. Heal-all or self-heal. Found in clovers.

### SOLANACEAE.—POTATO FAMILY.

79. *Solanum nigrum* L. Black nightshade. Found in clovers.

### PLANTAGINACEAE.—PLANTAIN FAMILY.

80. *Plantago aristata* Michx. Bracted plantain. Found in clovers and grasses.
81. *Plantago lanceolata* L. Ribgrass or buckhorn. Found in clovers and grasses.
82. *Plantago major* L. Plantain. Found in clovers.
83. *Plantago rugelii* Dec. Black-seeded plantain. Found in red clover and timothy.

### RUBIACEAE.—MADDER FAMILY.

84. *Diodia teres* Walt. Rough buttonweed. Found in Japan clover.
85. *Galium aparine* L. Cleavers. Found in crimson clover and grasses.

### CICHORIACEAE (COMPOSITAE).—CHICORY FAMILY.

86. *Cichorium intybus* L. Wild chicory. Found in red clover and alfalfa.
87. *Hieracium aurantiacum* L. Orange hawkweed or paintbrush. Found in timothy and small grasses.
88. *Hypochaeris radicata* L. Cat's-ear. Found in grasses.
89. *Picris echioides* L. Ox-tongue. Found in red clover and alfalfa.

### AMBROSIACEAE (COMPOSITAE).—RAGWEED FAMILY.

90. *Ambrosia artemisiaefolia* L. Ragweed. Found in red clover and cereals.
91. *Iva axillaris* Pursh. Poverty weed. Found in alfalfa.

### ASTERACEAE (COMPOSITAE).—THISTLE FAMILY.

92. *Achillea millefolium* L. Yarrow or milfoil. Found in smaller grasses.
93. *Anthemis arvensis* L. Field camomile. Found in clovers and grasses.
94. *Anthemis cotula* L. Mayweed or dog's-fennel. Found in clovers and grasses.
95. *Carduus arvensis* (L.) Robs. Canada thistle. Found in alsike and red clovers and grasses.
96. *Carduus lanceolatus* L. Bull thistle. Found in red clover and cereals.
97. *Chrysanthemum leucanthemum* L. Ox-eye daisy or whiteweed. Found in clovers and smaller grasses.
98. *Grindelia squarrosa* (Pursh.) Dunal. Gumweed or rosinweed. Found in alfalfa.
99. *Helianthus annuus* L. Wild sunflower. Found in alfalfa and cereals.
100. *Rudbeckia hirta* L. Brown-eyed Susan or yellow daisy. Found in timothy.